INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/005557

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|---|---|--|---------------------------------------|
| A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ G11B17/028, 17/26, 21/02 | | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | | |
| B. FIELDS SEARCHED | | | |
| Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ G11B17/022-17/035, 17/04, 17/26, 21/02 | | | |
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| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005 | | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) | | | |
| | | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
| Category* | Citation of document, with indication, where app | | Relevant to claim No. |
| x | JP 2003-257115 A (FMS Audio Sendirian Bahado), 1 12 September, 2003 (12.09.03), 2-4 Par. Nos. [0027], [0037] to [0038]; Figs. 10, | | |
| A | | | |
| | 15, 16 (Family: none) | • | |
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| A JP 10-269722 A (Matsushita Electric Industrial Co., Ltd.), | | | 2 |
| ' | 09 October, 1998 (09.10.98), Par. Nos. [0020] to [0058]; Figs. 1 to 10 & US 6330219 B1 & EP 0867876 A1 | | |
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| Further documents are listed in the continuation of Box C. See patent family annex. | | | |
| "A" document defining the general state of the art which is not considered | | "T" later document published after the int date and not in conflict with the applic the principle or theory underlying the | ation but cited to understand |
| to be of particular relevance "E" earlier application or patent but published on or after the international filing date | | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive | |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other | | step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be | |
| special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means | | considered to involve an inventive step when the document is combined with one or more other such documents, such combination | |
| "P" document published prior to the international filing date but later than | | being obvious to a person skilled in the art "&" document member of the same patent family | |
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| Date of the actual completion of the international search 23 June, 2005 (23.06.05) | | Date of mailing of the international search report 12 July, 2005 (12.07.05) | |
| Name and mailing address of the ISA/ | | Authorized officer | |
| Japanese Patent Office | | | |
| Faccimile No. | | Telephone No. | |